

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

***San Joaquin River Basin***

<b>RD0544</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 0544 Upper Roberts Island</b>	<b>U</b>	<b>10.20</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	13.18	0.58	15.50	151.94%	0.62			
Trim / Thin Trees	0.25	0.01	0.29	2.84%				
Encroachments	0.07		0.07	0.69%	0.21	0.10		
Animal Control	0.30		0.30	2.94%				
Slope Stability	0.07		0.07	0.69%				
Erosion / Bank Caving	0.01	0.01	0.05	0.49%				
Flood Preparedness & Training	0.10		0.10	0.98%				
<i>Interior Drainage &amp; Piping Systems</i>								
Erosion Areas		0.01	0.04	0.39%				
<i>Rivers, Channels &amp; Designated Floodways</i>								
Erosion / Bank Caving		0.01	0.04	0.39%				
Encroachments						0.01		
<i>Supplemental</i>								
DWR Erosion Survey	0.05	0.02	0.13	1.27%				
DWR UCIP Field Study					0.12	0.09		
<b>LMA Totals:</b>	<b>14.03</b>	<b>0.64</b>	<b>16.59</b>	<b>162.62%</b>	<b>0.95</b>	<b>0.20</b>	<b>0.00</b>	<b>0.00</b>

<b>Unit No. 01 San Joaquin River LB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD0544</b>	<b>U</b>	<b>6.05</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	8.03	0.08	8.35	138.09%	0.06			
Trim / Thin Trees	0.21	0.01	0.25	4.13%				
Encroachments	0.04		0.04	0.66%	0.07	0.09		
Animal Control	0.15		0.15	2.48%				
Slope Stability	0.06		0.06	0.99%				
Erosion / Bank Caving	0.01	0.01	0.05	0.83%				
<i>Supplemental</i>								
DWR Erosion Survey	0.02	0.02	0.10	1.65%				
DWR UCIP Field Study					0.05	0.07		
<b>Unit Totals:</b>	<b>8.52</b>	<b>0.12</b>	<b>9.00</b>	<b>148.84%</b>	<b>0.18</b>	<b>0.16</b>	<b>0.00</b>	<b>0.00</b>

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

***San Joaquin River Basin (cont.)***

Unit No. 02 Old River RB	Overall Unit Rating	Total Unit Miles						
RD0544	<b>U</b>	<b>4.15</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	5.15	0.50	7.15	172.09%	0.56			
Trim / Thin Trees	0.04		0.04	0.96%				
Encroachments	0.03		0.03	0.72%	0.14	0.01		
Animal Control	0.15		0.15	3.61%				
Slope Stability	0.01		0.01	0.24%				
<i>Interior Drainage &amp; Piping Systems</i>								
Erosion Areas		0.01	0.04	0.96%				
<i>Rivers, Channels &amp; Designated Floodways</i>								
Erosion / Bank Caving		0.01	0.04	0.96%				
Encroachments						0.01		
<i>Supplemental</i>								
DWR Erosion Survey	0.03		0.03	0.72%				
DWR UCIP Field Study					0.07	0.02		
<i>Unit Totals:</i>	5.41	0.52	7.49	180.27%	0.77	0.04	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2014 Levee Inspection Results**

**Reclamation District No. 0544 Upper Roberts Island**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	6.05
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	04/10/2014 - 04/10/2014		10/21/2014 - 10/21/2014	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>66</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				
DWR ID	DWR_RD0544_01_s_2012_66				
Action/Comments					
Inspector Comments: LMA has a good working knowledge of flood response. LMA has not been involved in flood training for several years.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>71</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD0544_01_s_2013_71				
Action/Comments					
Inspector Comments: LMA has a copy of O&M manual on file in the office.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>72</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD0544_01_s_2013_72				
Action/Comments					
Inspector Comments: LMA maintains an adequate supply of floodfight material.					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.00	Rating **	A/W	Issue No.	61
LM End	0.63	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.864359 °	37.864011 °
				-121.324939 °	-121.323562 °
DWR ID	DWR_RD0544_01_f_2013_61				
Action/Comments					
Add appropriate material and re-grade the levee to bring the crown above the design elevation.					

No Photos

LM Start	0.01	Rating **	M	Issue No.	36
LM End	0.01	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.870296 °	37.870296 °
				-121.329826 °	-121.329826 °
DWR ID	DWR_RD0544_01_f_2014_36				
Action/Comments					
Inspector Comments: FS_ID:23851					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned. May need proper					
abandonment. Pipe exposed on landside slope.					
FIELD_STRUCT_DESC: A 12-inch steel pipe through the levee, 2 feet					
below levee crown. Appears abandoned. Only visible on landside slope.					
No pipe and other features visible on waterside.					
FS Date: 10/29/2013					

No Photos

LM Start	0.01	Rating **	M	Issue No.	92
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.870285 °	37.870285 °
				-121.329822 °	-121.329822 °
DWR ID	DWR_RD0544_01_f_2014_92				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.23	Rating **	M	Issue No.	4
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.867590 °	37.867590 °
				-121.327813 °	-121.327813 °
DWR ID	DWR_RD0544_01_s_2012_4				
Action/Comments					
Equipment					
Inspector Comments: Farm equipment and supplies stored at landside toe.					

Photo 1 of 2 : FA\_2014\_RD0544\_108\_4\_20141020\_00003.jpg



Looking north at equipment along landside toe.

LM Start	<b>0.23</b>	Rating **	M	Issue No.	<b>4 (cont)</b>
LM End	<b>0.23</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_RD0544\_108\_4\_20141020\_00004.jpg



Looking south at equipment along landside toe.

LM Start	0.41	Rating **	C	Issue No.	46
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.864820 °	37.864820 °
				-121.327200 °	-121.327200 °
DWR ID					
Action/Comments					
Inspector Comments: 6/19/2014: Repaired site. No signiificant change observed.					
08/13/2013: Repaired site. No new erosion found at the site.					
08/07/2012: The site has been visited by boat survey. The site has been repaired with riprap protection. Rotten tree roots and minor erosion are visible immediately upstream of the site					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.41	Rating **	M	Issue No.	2
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.864958 °	37.864958 °
				-121.327142 °	-121.327142 °
DWR ID	DWR_RD0544_01_s_2012_2				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	0.45	Rating **	M	Issue No.	1
LM End	0.45	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.864713 °	37.864713 °
				-121.326708 °	-121.326708 °
DWR ID	DWR_RD0544_01_f_2013_1				
Action/Comments					
Material					
Inspector Comments: Old broken concrete pipes on waterward berm.					

No Photos

LM Start	0.45	Rating **	M	Issue No.	6
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.864713 °	37.864713 °
				-121.326708 °	-121.326708 °
DWR ID	DWR_RD0544_01_f_2013_6				
Action/Comments					
Prunings					
Inspector Comments: Broken tree limbs on waterward slope and berm.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_6\_20141023\_00055.jpg



Looking southeast at tree branch on waterward slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.48	Rating **	M	Issue No.	3
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.864578 °	37.863753 °
				-121.326210 °	-121.322835 °
DWR ID	DWR_RD0544_01_s_2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 2 : FA\_2014\_RD0544\_108\_3\_20141020\_00001.jpg



Looking south at typical view of levee. (Spring 2014)

LM Start	<b>0.48</b>	Rating **	M	Issue No.	<b>3 (cont)</b>
LM End	<b>0.68</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_RD0544\_108\_3\_20141020\_00002.jpg



Looking south at overgrown on landward and waterward slopes.

LM Start	0.65	Rating **	M	Issue No.	9
LM End	0.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.863935 °	37.863599 °
				-121.323341 °	-121.322442 °
DWR ID	DWR_RD0544_01_s_2012_9				
Action/Comments					
Landscaping					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_9\_20141020\_00007.jpg



Looking south at landscaping on landward slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.71	Rating **	M	Issue No.	10
LM End	0.71	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.863575 °	37.863575 °
				-121.322367 °	-121.322367 °
DWR ID	DWR_RD0544_01_s_2012_10				
Action/Comments					
Landscaping					

No Photos

LM Start	0.74	Rating **	A/W	Issue No.	12
LM End	0.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.863380 °	37.863380 °
				-121.321897 °	-121.321897 °
DWR ID	DWR_RD0544_01_s_2012_12				
Action/Comments					
Trim trees over roadway to at least 12 feet above ground level.					

No Photos

LM Start	0.78	Rating **	M	Issue No.	73
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees				°
					°
DWR ID	DWR_RD0544_01_f_2013_73				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.81	Rating **	M	Issue No.	93
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.862694 °	37.862694 °
				-121.320887 °	-121.320887 °
DWR ID	DWR_RD0544_01_f_2014_93				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.13	Rating **	M	Issue No.	39
LM End	1.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.859423 °	37.859423 °
				-121.318328 °	-121.318328 °
DWR ID	DWR_RD0544_01_s_2012_39				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.14	Rating **	M	Issue No.	15
LM End	1.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.859287 °	37.854252 °
				-121.318333 °	-121.324092 °
DWR ID	DWR_RD0544_01_s_2012_15				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_15\_20141023\_00056.jpg



Looking southeast at dense vegetation on landward toe.

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
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 En : Enforcement

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**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.30	Rating **	M	Issue No.	89
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.857321 °	37.857321 °
				-121.319943 °	-121.319943 °
DWR ID	DWR_RD0544_01_s_2014_89				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.33	Rating **	A/W	Issue No.	19
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.857042 °	37.855792 °
				-121.320480 °	-121.321212 °
DWR ID	DWR_RD0544_01_s_2012_19				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.44	Rating **	N	Issue No.	13
LM End	1.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.855778 °	37.855778 °
				-121.321206 °	-121.321206 °
DWR ID	DWR_RD0544_01_s_2012_13				
Action/Comments					
Tree stumps.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.45	Rating **	N	Issue No.	14
LM End	1.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.855583 °	37.855583 °
				-121.321177 °	-121.321177 °
DWR ID	DWR_RD0544_01_s_2012_14				
Action/Comments					
Tree stumps.					

No Photos

LM Start	1.49	Rating **	M	Issue No.	94
LM End	1.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.855097 °	37.854722 °
				-121.321136 °	-121.321072 °
DWR ID	DWR_RD0544_01_f_2014_94				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_94\_20141023\_00057.jpg



Looking north at vegetation on waterward shoulder and slope.

LM Start	1.49	Rating **	A/W	Issue No.	42
LM End	1.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.855087 °	37.854187 °
				-121.321127 °	-121.321055 °
DWR ID	DWR_RD0544_01_s_2012_42				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

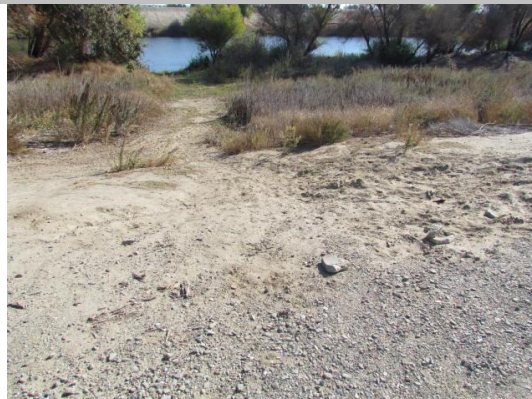
**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.56	Rating **	M	Issue No.	64
LM End	1.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.854081 °	37.854081 °
				-121.321268 °	-121.321268 °
DWR ID	DWR_RD0544_01_f_2013_64				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Damaged levee slope due to fishermen using slope as a ramp.					

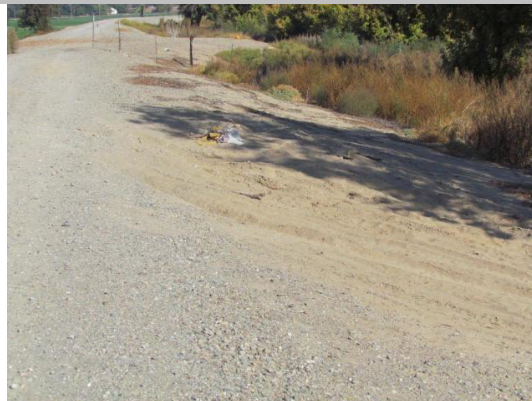
Photo 1 of 2 : FA\_2014\_RD0544\_108\_64\_20141020\_00032.jpg



Looking east at damaged waterward slope.

LM Start	<b>1.56</b>	Rating **	M	Issue No.	<b>64 (cont)</b>
LM End	<b>1.56</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA\_2014\_RD0544\_108\_64\_20141020\_00033.jpg



Looking northeast at waterward slope.

LM Start	1.58	Rating **	A/W	Issue No.	43
LM End	1.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.854108 °	37.854837 °
				-121.321582 °	-121.323280 °
DWR ID	DWR_RD0544_01_s_2012_43				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.60	Rating **	M	Issue No.	95
LM End	1.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.854299 °	37.854299 °
				-121.321865 °	-121.321865 °
DWR ID	DWR_RD0544_01_f_2014_95				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.64	Rating **	M	Issue No.	96
LM End	1.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.854681 °	37.854681 °
				-121.322493 °	-121.322493 °
DWR ID	DWR_RD0544_01_f_2014_96				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	1.73	Rating **	A/W	Issue No.	55
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.854530 °	37.852850 °
				-121.323870 °	-121.324058 °
DWR ID	DWR_RD0544_01_s_2012_55				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.74	Rating **	U	Issue No.	38
LM End	1.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.854506 °	37.854506 °
				-121.323886 °	-121.323886 °
DWR ID	DWR_RD0544_01_f_2014_38				
Action/Comments					
Inspector Comments: FS_ID:23872					
EP_NO: 4114					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: - levee depression on both sides of the levee2-inch electric conduit on waterside and service pole on landside.					
FIELD_STRUCT_DESC: 18-inch steel pipe through the levee 2 feet below the crown, pump mounted on pile structure pier in the stream.					
Siphon breaker on the landward slope. Concrete standpipe at the toe of the landward slope. (App. No. 4114-Katie M. Feck) O&M Manual SJR					
007, April 1964.					
FS Date: 10/29/2013					

No Photos

LM Start	1.80	Rating **	A/W	Issue No.	20
LM End	1.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.853445 °	37.853445 °
				-121.324227 °	-121.324227 °
DWR ID	DWR_RD0544_01_s_2012_20				
Action/Comments					
Prunings					

No Photos

LM Start	1.83	Rating **	M	Issue No.	5
LM End	1.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.853188 °	37.853188 °
				-121.324145 °	-121.324145 °
DWR ID	DWR_RD0544_01_s_2013_5				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Slope damaged by vehicle traffic.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_5\_20141020\_00005.jpg



Looking east at landward slope damaged by vehicle traffic.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

No Photos

No Photos

Photo 1 of 2 : FA\_2014\_RD0544\_108\_90\_20141020\_00042.jpg



Looking at rodent hole on levee crown.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable        C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.01	Rating **	A/W	Issue No.	90 (cont)
LM End	2.01	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.850825 °	37.850825 °
				-121.322475 °	-121.322475 °
DWR ID	DWR_RD0544_01_s_2014_90				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: LMA grouted rodent hole on levee crown.					

Photo 2 of 2 : FA\_2014\_RD0544\_108\_90\_20141023\_00058.jpg



Looking at grouted rodent hole on levee crown.

LM Start	2.01	Rating **	C	Issue No.	77
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.850534 °	37.850534 °
				-121.322285 °	-121.322285 °
DWR ID					
Action/Comments					
Inspector Comments: 6/19/2014: The erosion was repaired. 08/13/2013: No significant change observed. 08/07/2012: The erosion is right at the inside of a river bend. Dense vegetation is visible at the site. [2014 Site ID:RD0544U01RM48.81]					

No Photos

LM Start	2.03	Rating **	M	Issue No.	97
LM End	2.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.850632 °	37.848206 °
				-121.322501 °	-121.324869 °
DWR ID	DWR_RD0544_01_f_2014_97				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.27	Rating **	U	Issue No.	53
LM End	2.27	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.848225 °	37.848225 °
				-121.324868 °	-121.324868 °
DWR ID	DWR_RD0544_01_f_2014_53				
Action/Comments					
Inspector Comments: FS_ID:23945					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Siphon breaker on the landward slope not found. It has been removed and pipe plugged.					
FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 2.0 feet below the crown, pump on pile structure in the stream. Steel walkway to the pump. 2-inch electric conduit on waterside, power pole on landside.					
O&M Manual SJR 007, April 1964.					
FS Date: 10/29/2013					

No Photos

LM Start	2.28	Rating **	U	Issue No.	80
LM End	2.28	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.848052 °	37.848052 °
				-121.324846 °	-121.324846 °
DWR ID	DWR_RD0544_01_f_2014_80				
Action/Comments					
Inspector Comments: FS_ID:23946					
EP_NO: 3300					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: - erosion on landside and waterside levee slopes due to the pipe leakage.1.5-inch electric conduit					
FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 3.5 feet below the crown, pump mounted on pile structure in the stream. Siphon breaker on the landward slope. Concrete standpipe and service pole at the toe of the landward slope. (App. No. 3300-Lloyd Phelps) O&M Manual SJR 007, April 1964.					
FS Date: 10/29/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.28	Rating **	M	Issue No.	81
LM End	2.28	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.848029 °	37.848029 °
				-121.324851 °	-121.324851 °
DWR ID	DWR_RD0544_01_f_2014_81				
Action/Comments					
Inspector Comments: FS_ID:24887					
EP_NO: 13554					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - levee slope erosion on landside.needs cleaning of siphon breaker.					
FIELD_STRUCT_DESC: 12-inch steel pipe, pump in concrete standpipe on drainage ditch on landside. Siphon breaker in steel riser on waterside. (App. No. 13554 - Phelps; 12/7/82), O&M Manual SJR 007, April 1964.					
FS Date: 10/29/2013					

No Photos

LM Start	2.28	Rating **	M	Issue No.	98
LM End	2.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.848021 °	37.847343 °
				-121.324839 °	-121.324672 °
DWR ID	DWR_RD0544_01_f_2014_98				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	2.28	Rating **	U	Issue No.	23
LM End	2.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.847985 °	37.847985 °
				-121.324837 °	-121.324837 °
DWR ID	DWR_RD0544_01_s_2012_23				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Caving/erosion around irrigation pipe on landside slope.					

Photo 1 of 3 : FA\_2014\_RD0544\_108\_23\_20141023\_00059.jpg



Looking south at erosion around irrigation pipe on landside slope. (Fall 2014)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.28	Rating **	U	Issue No.	23 (cont)
LM End	2.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.847985 °	37.847985 °
				-121.324837 °	-121.324837 °
DWR ID	DWR_RD0544_01_s _ 2012_23				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Caving/erosion around irrigation pipe on landside slope.					

Photo 2 of 3 : FA\_2014\_RD0544\_108\_23\_20141020\_00019.jpg



Looking north at erosion under irrigation pipe on landside slope.

Photo 3 of 3 : FA\_2014\_RD0544\_108\_23\_20141020\_00018.jpg



Looking east at erosion under irrigation pipe on landside slope.

LM Start	2.29	Rating **	M	Issue No.	8
LM End	2.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.847973 °	37.847105 °
				-121.324820 °	-121.324577 °
DWR ID	DWR_RD0544_01_s _ 2012_8				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.31	Rating **	M	Issue No.	34
LM End	2.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.847686 °	37.846743 °
				-121.324780 °	-121.324336 °
DWR ID	DWR_RD0544_01_s_2012_34				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	2.34	Rating **	M	Issue No.	7
LM End	2.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.847108 °	37.847108 °
				-121.324585 °	-121.324585 °
DWR ID	DWR_RD0544_01_s_2012_7				
Action/Comments					
Garbage					
Inspector Comments: Garbage and prunings at landside toe.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_7\_20141020\_00006.jpg



Looking southwest at garbage at landside toe.

LM Start	2.38	Rating **	M	Issue No.	74
LM End	2.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.846687 °	37.846687 °
				-121.324278 °	-121.324278 °
DWR ID	DWR_RD0544_01_f_2013_74				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.38	Rating **	M	Issue No.	65
LM End	2.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.846660 °	37.846660 °
				-121.324240 °	-121.324240 °
DWR ID	DWR_RD0544_01_s_2013_65				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	2.40	Rating **	M	Issue No.	67
LM End	2.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.846508 °	37.846508 °
				-121.324103 °	-121.324103 °
DWR ID	DWR_RD0544_01_s_2013_67				
Action/Comments					
Building					
Inspector Comments: Building has been in place for several years.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_67\_20141020\_00034.jpg



Looking southeast at building at landward toe.

LM Start	2.41	Rating **	M	Issue No.	68
LM End	2.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.846315 °	37.846315 °
				-121.323875 °	-121.323875 °
DWR ID	DWR_RD0544_01_s_2013_68				
Action/Comments					
Equipment					
Inspector Comments: Equipment on landward toe.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_68\_20141023\_00060.jpg



Looking west at equipment at landward toe.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



## Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

No Photos

Photo 1 of 1 : FA\_2014\_RD0544\_108\_99\_20141023\_00061.jpg



Looking south at dense vegetation on waterward shoulder and slope.

Photo 1 of 2 : FA\_2014\_RD0544\_108\_60\_20141020\_00028.jpg



Looking north at slope damage on landside slope.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable        C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.58	Rating **	M	Issue No.	60 (cont)	
LM End	2.58	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			37.844337 °		37.844337 °
				-121.321853 °		-121.321853 °
DWR ID	DWR_RD0544_01_s_2012_60					
Action/Comments						
Repair the levee slope damaged by foot traffic and prevent access where possible.						

Photo 2 of 2 : FA\_2014\_RD0544\_108\_60\_20141020\_00029.jpg



Looking south at slope damage on landside slope.

LM Start	2.59	Rating **	M	Issue No.	91
LM End	2.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.844423 °	37.844423 °
				-121.321896 °	-121.321896 °
DWR ID	DWR_RD0544_01_s_2014_91				
Action/Comments					
Pipe					
Inspector Comments: Landowner repaired pipe without maintanence letter. Erosion around pipe on landward shoulder.					

Photo 1 of 2 : FA\_2014\_RD0544\_108\_91\_20141023\_00062.jpg



Looking south at partially open trench around pipe on landward shoulder and slope.

LM Start	<b>2.59</b>	Rating **	M	Issue No.	<b>91 (cont)</b>
LM End	<b>2.59</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA\_2014\_RD0544\_108\_91\_20141020\_00043.jpg



Looking at open trench with irrigation pipe on landward shoulder and slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.59	Rating **	U	Issue No.	83
LM End	2.59	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.844386 °	37.844386 °
				-121.321894 °	-121.321894 °
DWR ID	DWR_RD0544_01_f_2014_83				
Action/Comments					
Inspector Comments: FS_ID:24889					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Siphon breaker on the landward shoulder not found.					
Service pole on landside.					
Huge erosion on landside and					

No Photos

LM Start	2.67	Rating **	M	Issue No.	100
LM End	2.96	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.843262 °	37.840656 °
				-121.321666 °	-121.318590 °
DWR ID	DWR_RD0544_01_f_2014_100				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_100\_20141023\_00063.jpg



Looking south at vegetation on levee crown.

LM Start	2.86	Rating **	N	Issue No.	22
LM End	2.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.841075 °	37.841075 °
				-121.320205 °	-121.320205 °
DWR ID	DWR_RD0544_01_s_2012_22				
Action/Comments					
Tree stumps.					

No Photos

\* **Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* **Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ **Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.89	Rating **	M	Issue No.	69
LM End	2.89	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.841032 °	37.841032 °
				-121.319748 °	-121.319748 °
DWR ID	DWR_RD0544_01_s_2013_69				
Action/Comments					
Ramp					

No Photos

LM Start	2.94	Rating **	U	Issue No.	78
LM End	2.94	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.840697 °	37.840697 °
				-121.318252 °	-121.318252 °
DWR ID					
Action/Comments					
Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: Pump has been removed. A larger pocket erosion has been found at the erosion site. 08/07/2012: The erosion is immediately upstream of a river bend. Dense vegetation is visible at the erosion site. [2014 Site ID:RD0544U01RM49.67]					

Photo 1 of 1 : SJR2014\_RD0544U01RM49.67\_1.jpg



Upstream view of the site.

LM Start	2.98	Rating **	M	Issue No.	47
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.840485 °	37.837225 °
				-121.318390 °	-121.317408 °
DWR ID	DWR_RD0544_01_s_2012_47				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.98	Rating **	A/W	Issue No.	16
LM End	2.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.840483 °	37.840483 °
				-121.318370 °	-121.318370 °
DWR ID	DWR_RD0544_01_s_2012_16				

**Action/Comments**

**Pipe**

Inspector Comments: Landowner installing temporary irrigation system across levee crown without permit. Pipe is leaking and causing erosion on waterside slope and berm. Landowner also installed a concrete wall around pump. Landowner has disconnected the temporary pipe and pump on waterward berm. Pipes on waterside still on water. Concrete wall still in place.

LM Start	<b>2.98</b>	Rating **	A/W	Issue No.	<b>16 (cont)</b>
LM End	<b>2.98</b>	Issue Type +	En	Location *	LS

Photo 1 of 12 : FA\_2014\_RD0544\_108\_16\_20141023\_00066.jpg



Looking east at concrete wall on waterward berm.

Photo 2 of 12 : FA\_2014\_RD0544\_108\_16\_20141023\_00067.jpg



Looking west at filter system on landward berm

Photo 3 of 12 : FA\_2014\_RD0544\_108\_16\_20141023\_00068.jpg



Looking north at concrete wall on waterward berm.

LM Start	<b>2.98</b>	Rating **	A/W	Issue No.	<b>16 (cont)</b>
LM End	<b>2.98</b>	Issue Type +	En	Location *	LS

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.98	Rating **	A/W	Issue No.	16 (cont)	
LM End	2.98	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.840483 °	37.840483 °	
				-121.318370 °	-121.318370 °	
DWR ID	DWR_RD0544_01_s_2012_16					
Action/Comments						

**Pipe**

Inspector Comments: Landowner installing temporary irrigation system across levee crown without permit. Pipe is leaking and causing erosion on waterside slope and berm. Landowner also installed a concrete wall around pump. Landowner has disconnected the temporary pipe and pump on waterward berm. Pipes on waterside still on water. Concrete

LM Start	<b>2.98</b>	Rating **	A/W	Issue No.	<b>16 (cont)</b>
LM End	<b>2.98</b>	Issue Type +	En	Location *	LS

Photo 4 of 12 : FA\_2014\_RD0544\_108\_16\_20141023\_00069.jpg



Looking north at inch and half pipe at landward shoulder.

Photo 5 of 12 : FA\_2014\_RD0544\_108\_16\_20141020\_00008.jpg



Looking east at landowner installing temporary pump system without permit and damage to waterside slope.

Photo 6 of 12 : FA\_2014\_RD0544\_108\_16\_20141020\_00009.jpg



Looking east at pump and irrigation ramp on levee waterside and crown.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.98	Rating **	A/W	Issue No.	16 (cont)	
LM End	2.98	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.840483 °	37.840483 °	
				-121.318370 °	-121.318370 °	
DWR ID	DWR_RD0544_01_s_2012_16					
Action/Comments						

**Pipe**

Inspector Comments: Landowner installing temporary irrigation system across levee crown without permit. Pipe is leaking and causing erosion on waterside slope and berm. Landowner also installed a concrete wall around pump. Landowner has disconnected the temporary pipe and pump on waterward berm. Pipes on waterside still on water. Concrete

LM Start	<b>2.98</b>	Rating **	A/W	Issue No.	<b>16 (cont)</b>
LM End	<b>2.98</b>	Issue Type +	En	Location *	LS

Photo 7 of 12 : FA\_2014\_RD0544\_108\_16\_20141020\_00010.jpg



Looking south at damage landside slope caused by vehicle traffic.

Photo 8 of 12 : FA\_2014\_RD0544\_108\_16\_20141020\_00011.jpg



Looking east at concrete wall around temporary pump on waterward berm. (Spring 2014)

LM Start	<b>2.98</b>	Rating **	A/W	Issue No.	<b>16 (cont)</b>
LM End	<b>2.98</b>	Issue Type +	En	Location *	LS

Photo 9 of 12 : FA\_2014\_RD0544\_108\_16\_20141020\_00012.jpg



Looking east at erosion caused by leaking pipe on waterside slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.98	Rating **	A/W	Issue No.	16 (cont)
LM End	2.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.840483 °	37.840483 °
				-121.318370 °	-121.318370 °
DWR ID	DWR_RD0544_01_s_2012_16				

**Action/Comments**

**Pipe**

Inspector Comments: Landowner installing temporary irrigation system across levee crown without permit. Pipe is leaking and causing erosion on waterside slope and berm. Landowner also installed a concrete wall around pump. Landowner has disconnected the temporary pipe and pump on waterward berm. Pipes on waterside still on water. Concrete

Photo 10 of 12 : FA\_2014\_RD0544\_108\_16\_20141020\_00013.jpg



Looking northeast at unauthorized pump system on waterside slope.

Photo 11 of 12 : FA\_2014\_RD0544\_108\_16\_20141020\_00014.jpg



Looking east at erosion caused by leaking hose on waterward berm.  
(Spring 2013)

Photo 12 of 12 : FA\_2014\_RD0544\_108\_16\_20141020\_00015.jpg



Looking north at pipe and pipe ramp on landside and crown of levee.

LM Start	<b>2.98</b>	Rating **	A/W	Issue No.	<b>16 (cont)</b>
LM End	<b>2.98</b>	Issue Type +	En	Location *	LS

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.98	Rating **	C	Issue No.	75
LM End	2.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving				°
					°
DWR ID	DWR_RD0544_01_f_2013_75				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Hole on levee crown shoulder. Hole is 16"x18"x24.Hole is undermining back toward landward slope.					

No Photos

LM Start	3.15	Rating **	M	Issue No.	76
LM End	3.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.837929 °	37.837929 °
				-121.317663 °	-121.317663 °
DWR ID	DWR_RD0544_01_f_2013_76				
Action/Comments					
Repair slope instability. Inspector Comments: Slope damaged extends from levee slope to shoulder.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_76\_20141020\_00038.jpg



Looking east at slope damage on waterward slope.

LM Start	3.19	Rating **	U	Issue No.	84
LM End	3.19	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.837556 °	37.837556 °
				-121.317523 °	-121.317523 °
DWR ID	DWR_RD0544_01_f_2014_84				
Action/Comments					
Inspector Comments: FS_ID:23990 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: - huge levee slope erosion on landside.1-inch electric conduit, power pole on landside.not clear whether this is a irrigation or drainage pipe. FIELD_STRUCT_DESC: 1 of 2: Two 14-inch steel pipes through the levee, 8.0 feet below the crown. Slide gates in 6-foot by 6-foot concrete distribution box at the toe of the landward slope. O&M Manual SJR 007, April 1964. FS Date: 10/29/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	3.19	Rating **	U	Issue No.	85
LM End	3.19	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.837544 °	37.837544 °
				-121.317517 °	-121.317517 °
DWR ID	DWR_RD0544_01_f_2014_85				
Action/Comments					
Inspector Comments: FS_ID:24890					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 1-inch electric conduit on waterside, power pole on landside. Huge erosion and levee damage on landside slope due to the leaky pipe. Flow meter on waterside.					
FIELD_STRUCT_DESC: 2 of 2: Two 14-inch steel pipes through the levee, 5.0 feet below the crown. Gate valve in pump house on the waterward slope. Slide gates in 6-foot by 6-foot concrete distribution box at the toe of the landward slope. O&M Manual SJR 007, April 1964.					
FS Date: 10/29/2013					

No Photos

LM Start	3.19	Rating **	M	Issue No.	62
LM End	3.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.837530 °	37.837530 °
				-121.317510 °	-121.317510 °
DWR ID	DWR_RD0544_01_s_2012_62				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comments: Slope damage due to foot traffic.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_62\_20141020\_00030.jpg



Looking east at slope damaged by foot traffic near pump house on waterside of levee.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	3.25	Rating **	M	Issue No.	49
LM End	3.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.836763 °	37.829195 °
				-121.317307 °	-121.311918 °
DWR ID	DWR_RD0544_01_s_2012_49				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.26	Rating **	M	Issue No.	48
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.836615 °	37.836133 °
				-121.317285 °	-121.317153 °
DWR ID	DWR_RD0544_01_s_2012_48				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	3.31	Rating **	M	Issue No.	37
LM End	3.31	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.835951 °	37.835951 °
				-121.317062 °	-121.317062 °
DWR ID	DWR_RD0544_01_s_2012_37				
Action/Comments					
Ramp					
Inspector Comments: Landowner has cut new ramp on waterside slope.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_37\_20141023\_00070.jpg



Looking north at ramp on waterward slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	3.32	Rating **	M	Issue No.	50
LM End	3.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.835815 °	37.835815 °
				-121.316997 °	-121.316997 °
DWR ID	DWR_RD0544_01_s _ 2012_50				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Erosion located on waterside shoulder. Erosion caused by rain runoff.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_50\_20141023\_00071.jpg



Looking east at erosion on waterward slope.

LM Start	3.51	Rating **	M	Issue No.	56
LM End	3.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.833583 °	37.833583 °
				-121.314968 °	-121.314968 °
DWR ID	DWR_RD0544_01_s _ 2012_56				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	3.52	Rating **	M	Issue No.	51
LM End	4.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.833432 °	37.821853 °
				-121.314792 °	-121.319992 °
DWR ID	DWR_RD0544_01_s _ 2012_51				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

## Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

No Photos

No Photos

Photo 1 of 1 : FA\_2014\_RD0544\_108\_63\_20141020\_00031.jpg



Looking south at one of several sites needing gravel or road base on levee crown.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable        C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	4.06	Rating **	M	Issue No.	11
LM End	4.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.826621 °	37.826315 °
				-121.310820 °	-121.311024 °
DWR ID	DWR_RD0544_01_s_2012_11				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	4.18	Rating **	M	Issue No.	52
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.825762 °	37.825005 °
				-121.312393 °	-121.314982 °
DWR ID	DWR_RD0544_01_s_2012_52				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	4.21	Rating **	M	Issue No.	79
LM End	4.22	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.825248 °	37.825248 °
				-121.313856 °	-121.313856 °
DWR ID					
Action/Comments					
Inspector Comments: 06/19/2014: No significant change observed. 08/13/2013: The erosion has been caused by irrigation pipe. [2014 Site ID:RD0544U01RM51.04]					

Photo 1 of 1 : SJR2014\_RD0544U01RM51.04\_1.jpg



View from upstream of the site.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	4.28	Rating **	M	Issue No.	57
LM End	4.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.825517 °	37.822955 °
				-121.314160 °	-121.316835 °
DWR ID	DWR_RD0544_01_s_2012_57				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	4.32	Rating **	U	Issue No.	101
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.824360 °	37.824360 °
				-121.314360 °	-121.314360 °
DWR ID					
Action/Comments					
Inspector Comments: 6/19/2014: No significant change observed. 08/13/2013: This erosion has been caused by instability of the levee . Larger trees exist downstream of the erosion site. [2014 Site ID:RD0544U01RM51.09]					

Photo 1 of 1 : SJR2014\_RD0544U01RM51.09\_1.jpg



View from downstream.

LM Start	4.32	Rating **	C	Issue No.	25
LM End	4.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.825151 °	37.825151 °
				-121.314826 °	-121.314826 °
DWR ID	DWR_RD0544_01_s_2012_25				
Action/Comments					
Garbage Inspector Comments: Old concrete pipes on landside toe should be removed.					

No Photos

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	4.33	Rating **	A/W	Issue No.	58
LM End	4.33	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.825035 °	37.825035 °
				-121.314967 °	-121.314967 °
DWR ID	DWR_RD0544_01_s_2012_58				
Action/Comments					
Repair depressions or ruts in the crown or slope.					
Inspector Comments: Depression across levee crown					

Photo 1 of 2 : FA\_2014\_RD0544\_108\_58\_20141020\_00026.jpg



Looking southeast at depression on waterside shoulder.

LM Start	<b>4.33</b>	Rating **	A/W	Issue No.	<b>58 (cont)</b>
LM End	<b>4.33</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : FA\_2014\_RD0544\_108\_58\_20141020\_00027.jpg



Looking south at depression greater than 6" on waterside shoulder.

LM Start	4.33	Rating **	M	Issue No.	86
LM End	4.33	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.825071 °	37.825071 °
				-121.314932 °	-121.314932 °
DWR ID	DWR_RD0544_01_f_2014_86				
Action/Comments					
Inspector Comments: FS_ID:24893					
EP_NO: 11536					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - siphon breaker was removed from CMP riser on					
landside shoulder. Needs replacement.some details about existing					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	4.34	Rating **	M	Issue No.	59
LM End	4.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.824943 °	37.824943 °
				-121.315008 °	-121.315008 °
DWR ID	DWR_RD0544_01_s_2012_59				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	4.44	Rating **	M	Issue No.	54
LM End	6.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.823617 °	37.808766 °
				-121.315550 °	-121.328198 °
DWR ID	DWR_RD0544_01_s_2012_54				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	4.52	Rating **	M	Issue No.	103
LM End	4.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.823027 °	37.823027 °
				-121.316737 °	-121.316737 °
DWR ID	DWR_RD0544_01_f_2014_103				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	4.53	Rating **	U	Issue No.	41
LM End	4.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.822934 °	37.822934 °
				-121.316870 °	-121.316870 °
DWR ID	DWR_RD0544_01_s_2012_41				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_41\_20141020\_00023.jpg



Looking south at elderberries on landside slope and toe.

LM Start	4.68	Rating **	M	Issue No.	104
LM End	4.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.822033 °	37.821826 °
				-121.319432 °	-121.320071 °
DWR ID	DWR_RD0544_01_f_2014_104				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	4.70	Rating **	M	Issue No.	27
LM End	4.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.821901 °	37.821901 °
				-121.319683 °	-121.319683 °
DWR ID	DWR_RD0544_01_s_2012_27				
Action/Comments					
Garbage					

No Photos

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	4.73	Rating **	U	Issue No.	105
LM End	4.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.821775 °	37.821775 °
				-121.320203 °	-121.320203 °
DWR ID	DWR_RD0544_01_f_2014_105				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Tree has overgrown onto levee crown.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_105\_20141023\_00072.jpg



Looking south at overgrown tree on landward shoulder.

LM Start	4.75	Rating **	M	Issue No.	28
LM End	4.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.821626 °	37.821626 °
				-121.320471 °	-121.320471 °
DWR ID	DWR_RD0544_01_s_2012_28				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : FA\_2014\_RD0544\_108\_28\_20141020\_00020.jpg



Looking northeast at erosion around irrigation pipe on landside slope.

LM Start	<b>4.75</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>4.75</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_RD0544\_108\_28\_20141020\_00021.jpg



Looking north at erosion around irrigation pipe on landside

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

## Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

No Photos

No Photos

Photo 1 of 1 : FA\_2014\_RD0544\_108\_45\_20141020\_00024.jpg



Looking west at a unauthorized pump house on landside toe.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable        C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	4.79	Rating **	U	Issue No.	87
LM End	4.79	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.821153 °	37.821153 °
				-121.320995 °	-121.320995 °
DWR ID	DWR_RD0544_01_f_2014_87				
Action/Comments					
Inspector Comments: FS_ID:24894					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: - huge erosion on landside slope due to leaky pipe.					
small depression on waterside slope.					
FIELD_STRUCT_DESC: 12-inch diameter steel pipe through the levee,					
4.4 feet below crown. Pump house on the landward slope. Pressure					
relief valve on the landside slope. Concrete distribution box at toe of					
landward slope. O&M Manual SJR 007, April 1964.					
FS Date: 10/31/2013					

No Photos

LM Start	4.86	Rating **	A/W	Issue No.	30
LM End	4.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.820227 °	37.820227 °
				-121.321115 °	-121.321115 °
DWR ID	DWR_RD0544_01_s_2012_30				
Action/Comments					
Prunings Inspector Comments: Remove dead stumps at landside toe and prunings on landside slope.					

No Photos

LM Start	4.86	Rating **	M	Issue No.	31
LM End	6.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.820081 °	37.808766 °
				-121.321043 °	-121.328198 °
DWR ID	DWR_RD0544_01_s_2012_31				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	4.94	Rating **	M	Issue No.	32
LM End	4.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.819249 °	37.819249 °
				-121.320460 °	-121.320460 °
DWR ID	DWR_RD0544_01_s_2012_32				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	4.96	Rating **	U	Issue No.	163
LM End	5.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				37.818125 °
					-121.319070 °
DWR ID	DWR_RD0544_01_s_2012_163				
Action/Comments					
Ditch					
Inspector Comments: Agricultural ditch on landside toe.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_163\_20141020\_00044.jpg



Looking southwest at ditch on landside slope and toe.

LM Start	5.00	Rating **	M	Issue No.	33
LM End	5.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.818718 °	37.814662 °
				-121.319508 °	-121.320302 °
DWR ID	DWR_RD0544_01_s_2012_33				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Vegetation has been sprayed, but still blocking view of landward toe.					

Photo 1 of 3 : FA\_2014\_RD0544\_108\_33\_20141023\_00073.jpg



Looking north at dead vegetation still blocking landward toe.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	5.00	Rating **	M	Issue No.	33 (cont)
LM End	5.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.818718 °	37.814662 °
				-121.319508 °	-121.320302 °
DWR ID	DWR_RD0544_01_s_2012_33				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Vegetation has been sprayed, but still blocking view of landward toe.					



Looking southeast at dense veg. on landside slope and toe.

LM Start	<b>5.00</b>	Rating **	M	Issue No.	<b>33 (cont)</b>
LM End	<b>5.30</b>	Issue Type +	Ma	Location *	LS



Looking south at dead vegetation still blocking landward toe.

LM Start	5.05	Rating **	M	Issue No.	17
LM End	5.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.818152 °	37.818152 °
				-121.319095 °	-121.319095 °
DWR ID	DWR_RD0544_01_s_2012_17				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	5.39	Rating **	U	Issue No.	35
LM End	5.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.813659 °	37.813659 °
				-121.319614 °	-121.319614 °
DWR ID	DWR_RD0544_01_s_2012_35				
Action/Comments					
Trees / Woody Vegetation					
Inspector Comments: Bamboo blocking landward toe.					

Photo 1 of 1 : FA\_2014\_RD0544\_108\_35\_20141023\_00075.jpg



Looking south at bamboo on landward slope and toe.

LM Start	5.54	Rating **	U	Issue No.	18
LM End	5.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.812033 °	37.811687 °
				-121.319737 °	-121.320677 °
DWR ID	DWR_RD0544_01_s_2012_18				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 2 : FA\_2014\_RD0544\_108\_18\_20141020\_00016.jpg



Looking south at elderberries on landside slope and toe.

LM Start	<b>5.54</b>	Rating **	U	Issue No.	<b>18 (cont)</b>
LM End	<b>5.60</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_RD0544\_108\_18\_20141020\_00017.jpg



Looking southwest on elderberries on landside slope and toe.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/21/2014 10/21/2014	Richard Willoughby

LM Start	5.69	Rating **	N	Issue No.	40
LM End	5.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.811199 °	37.811199 °
				-121.322176 °	-121.322176 °
DWR ID	DWR_RD0544_01_s_2012_40				
Action/Comments					
Tree stumps.					

No Photos

LM Start	5.76	Rating **	M	Issue No.	88
LM End	5.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.811193 °	37.811193 °
				-121.323532 °	-121.323532 °
DWR ID	DWR_RD0544_01_f_2014_88				
Action/Comments					
Inspector Comments: FS_ID:24233					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - 2-inch electric conduit on watersideservice pole on landsideneeds a cover on pressure relief valve.					
FIELD_STRUCT_DESC: 16-inch steel pipe and electrical conduit through the levee, 5.3 feet below the crown, pump mounted on pile structure in the stream. Steel walkway to the pump. Two 36-inch concrete stand pipes on the landward side. United States Army Corps of Engineers, installation 1962. O&M Manual SJR 007, April 1964.					
FS Date: 10/31/2013					

No Photos

LM Start	5.87	Rating **	C	Issue No.	70
LM End	5.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.811068 °	37.811068 °
				-121.325412 °	-121.325412 °
DWR ID	DWR_RD0544_01_f_2014_70				
Action/Comments					
Tree or limb					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway			Bank	Unit Miles
Unit No. 02 Old River			Right	4.15
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	04/10/2014 - 04/10/2014		10/21/2014 - 10/21/2014	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Jerry Robinson		Jerry Robinson	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.02	Rating **	M	Issue No.	2
LM End	0.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.810253 °	37.808687 °
				-121.334930 °	-121.332964 °
DWR ID	DWR_RD0544_02_s_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.03	Rating **	M	Issue No.	3
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.808603 °	37.809442 °
				-121.328719 °	-121.334415 °
DWR ID	DWR_RD0544_02_s_2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.41	Rating **	U	Issue No.	4
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.809788 °	37.809788 °
				-121.334727 °	-121.334727 °
DWR ID	DWR_RD0544_02_s_2012_4				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 3 : FA\_2014\_RD0544\_109\_4\_20141020\_00001.jpg



Looking northwest at elderberries on landside slope and toe.

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.41	Rating **	U	Issue No.	4 (cont)	
LM End	0.41	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			37.809788 °		37.809788 °
				-121.334727 °		-121.334727 °
DWR ID	DWR_RD0544_02_s_2012_4					
Action/Comments						
Elderberries are blocking visibility and flood fight capability.						

Photo 2 of 3 : FA\_2014\_RD0544\_109\_4\_20141020\_00002.jpg



Looking northwest at elderberry on landside slope. (Spring 2012)

LM Start	<b>0.41</b>	Rating **	U	Issue No.	<b>4 (cont)</b>
LM End	<b>0.41</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA\_2014\_RD0544\_109\_4\_20141020\_00003.jpg



Looking south at elderberries on landside slope.

LM Start	0.43	Rating **	M	Issue No.	1
LM End	1.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.810250 °	37.819452 °
				-121.334933 °	-121.333755 °
DWR ID	DWR_RD0544_02_s_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

No Photos

Photo 1 of 1 : FA\_2014\_RD0544\_109\_5\_20141020\_00004.jpg

A photograph showing a dirt road or path that curves to the left. On the right side of the road, there is a dense line of green bushes and trees. The foreground is covered with dry, brownish vegetation and some scattered debris. A small blue object, possibly a container or a piece of equipment, is visible on the ground near the bushes. The sky is clear and blue.

Photo 1 of 8 : FA\_2014\_RD0544\_109\_8\_20141020\_00006.jpg



* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.79	Rating **	U	Issue No.	8 (cont)	
LM End	0.79	Issue Type +	Ma	Location *	WS	
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude		
				Start		End
Item	Erosion Areas			37.815102 °	37.815102 °	
				-121.333898 °	-121.333898 °	
DWR ID	DWR_RD0544_02_s_2012_8					
Action/Comments						
Inspector Comments: Caving under and around siphon on waterside shoulder. No material 3' below pipe. Caving around siphon is 20" to 24" deep approximately 72" in diameter. During 2012 spring inspection hole appears to be enlarging.						

LM Start	<b>0.79</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	Ma	Location *	WS

LM Start	<b>0.79</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 8 : FA\_2014\_RD0544\_109\_8\_20141020\_00007.jpg



Looking at caving around 10" siphon pipe on waterside shoulder.

Photo 3 of 8 : FA\_2014\_RD0544\_109\_8\_20141020\_00008.jpg



Looking south at depression greater than 6" on waterside shoulder.

Photo 4 of 8 : FA\_2014\_RD0544\_109\_8\_20141020\_00009.jpg



Looking east at caving around siphon on waterside shoulder. (Spring 2012)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.79	Rating **	U	Issue No.	8 (cont)	
LM End	0.79	Issue Type +	Ma	Location *	WS	
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude		
				Start		End
Item	Erosion Areas			37.815102 °	37.815102 °	
				-121.333898 °	-121.333898 °	
DWR ID	DWR_RD0544_02_s_2012_8					
Action/Comments						
Inspector Comments: Caving under and around siphon on waterside shoulder. No material 3' below pipe. Caving around siphon is 20" to 24" deep approximately 72" in diameter. During 2012 spring inspection hole appears to be enlarging.						

Photo 5 of 8 : FA\_2014\_RD0544\_109\_8\_20141020\_00010.jpg



Looking at top of siphon with a depression greater than 6" on waterside shoulder.

LM Start	<b>0.79</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	Ma	Location *	WS

Photo 6 of 8 : FA\_2014\_RD0544\_109\_8\_20141020\_00011.jpg



Looking west at caving around siphon on waterside shoulder. (Spring 2012)

LM Start	<b>0.79</b>	Rating **	U	Issue No.	<b>8 (cont)</b>
LM End	<b>0.79</b>	Issue Type +	Ma	Location *	WS

Photo 7 of 8 : FA\_2014\_RD0544\_109\_8\_20141020\_00012.jpg



Looking south at caving around siphon on waterside shoulder. (Spring 2012)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	0.79	Rating **	U	Issue No.	8 (cont)	
LM End	0.79	Issue Type +	Ma	Location *	WS	
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude		
				Start		End
Item	Erosion Areas			37.815102 °		37.815102 °
				-121.333898 °		-121.333898 °
DWR ID	DWR_RD0544_02_s_2012_8					
Action/Comments						
Inspector Comments: Caving under and around siphon on waterside shoulder. No material 3' below pipe. Caving around siphon is 20" to 24" deep approximately 72" in diameter. During 2012 spring inspection hole appears to be enlarging.						

Photo 8 of 8 : FA\_2014\_RD0544\_109\_8\_20141020\_00013.jpg



Looking south at depression greater than 6" around siphon on waterside shoulder.

LM Start	0.79	Rating **	U	Issue No.	16
LM End	0.79	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.815098 °	37.815098 °
				-121.333903 °	-121.333903 °
DWR ID	DWR_RD0544_02_f_2014_16				
Action/Comments					
Inspector Comments: FS_ID:24903					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: - 8 ft X 7 ft X 4 ft depression around siphon breaker on waterside slope.no pipe visible on waterside due to dense vegetation.electric conduit and service pole on landside.					
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 4.0 feet below the crown. Pump in drain ditch on the landward side. Siphon breaker on waterside levee slope.					
FS Date: 10/31/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.02	Rating **	M	Issue No.	6
LM End	1.02	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.818100 °	37.818100 °
				-121.332750 °	-121.332750 °
DWR ID	DWR_RD0544_02_s_2012_6				
Action/Comments					
Garbage					

Photo 1 of 1 : FA\_2014\_RD0544\_109\_6\_20141020\_00005.jpg



Looking southeast at garbage on waterside shoulder and slope.

LM Start	1.14	Rating **	U	Issue No.	20
LM End	1.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.819530 °	37.819530 °
				-121.333827 °	-121.333827 °
DWR ID	DWR_RD0544_02_s_2012_20				
Action/Comments					
Prunings					
Inspector Comments: Rubber tires and other items have been added to pruning pile.					

Photo 1 of 4 : FA\_2014\_RD0544\_109\_20\_20141023\_00048.jpg



Looking southwest at trash and pruning pile on landward shoulder and slope.

LM Start	<b>1.14</b>	Rating **	U	Issue No.	<b>20 (cont)</b>
LM End	<b>1.14</b>	Issue Type +	En	Location *	LS

Photo 2 of 4 : FA\_2014\_RD0544\_109\_20\_20141020\_00024.jpg



Looking southwest at pruning pile on landside slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.14	Rating **	U	Issue No.	20 (cont)
LM End	1.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.819530 °	37.819530 °
				-121.333827 °	-121.333827 °
DWR ID	DWR_RD0544_02_s_2012_20				
Action/Comments					
Prunings					
Inspector Comments: Rubber tires and other items have been added to pruning pile.					

Photo 3 of 4 : FA\_2014\_RD0544\_109\_20\_20141020\_00025.jpg



Looking southwest at pruning &amp; garbage piles at landward toe. (Spring 2014)

LM Start	<b>1.14</b>	Rating **	U	Issue No.	<b>20 (cont)</b>
LM End	<b>1.14</b>	Issue Type +	En	Location *	LS

Photo 4 of 4 : FA\_2014\_RD0544\_109\_20\_20141020\_00026.jpg



Looking southwest at garbage and pruning pile at landside toe. (Spring 2012)

LM Start	1.15	Rating **	M	Issue No.	25
LM End	1.21	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.819560 °	37.820083 °
				-121.333893 °	-121.334812 °
DWR ID	DWR_RD0544_02_s_2012_25				
Action/Comments					
Fence					

No Photos

\* **Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* **Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ **Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.17	Rating **	M	Issue No.	18
LM End	1.23	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.819830 °	37.820235 °
				-121.334233 °	-121.335268 °
DWR ID	DWR_RD0544_02_s_2012_18				
Action/Comments					
Abandoned vehicles Inspector Comments: Vehicles and farm equipment stored on landside for several years. Area is defined a oversize levee. Landowner is in the process of moving items from landward shoulder.					

Photo 1 of 3 : FA\_2014\_RD0544\_109\_18\_20141023\_00049.jpg



Looking southwest at equipment stored on landward shoulder.

LM Start	<b>1.17</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>1.23</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : FA\_2014\_RD0544\_109\_18\_20141020\_00021.jpg



Looking southwest at vehicles and farm equipment stored on landside landing.

LM Start	<b>1.17</b>	Rating **	M	Issue No.	<b>18 (cont)</b>
LM End	<b>1.23</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : FA\_2014\_RD0544\_109\_18\_20141020\_00022.jpg



Looking southwest at farm equipment, vehicles, and other items stored on landside landing.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.23	Rating **	C	Issue No.	7
LM End	1.23	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.820235 °	37.820235 °
				-121.335127 °	-121.335127 °
DWR ID	DWR_RD0544_02_s_2012_7				
Action/Comments					
Prunings					

No Photos

LM Start	1.27	Rating **	M	Issue No.	49
LM End	1.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.820486 °	37.820767 °
				-121.336062 °	-121.336611 °
DWR ID	DWR_RD0544_02_f_2014_49				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Tobacco plants on waterward slope.					

Photo 1 of 1 : FA\_2014\_RD0544\_109\_49\_20141023\_00050.jpg



Looking south at several tobacco plants on waterward slope.

LM Start	1.36	Rating **	M	Issue No.	38
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.821095 °	37.822285 °
				-121.337185 °	-121.339252 °
DWR ID	DWR_RD0544_02_s_2012_38				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.39	Rating **	M	Issue No.	14
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.821323 °	37.821323 °
				-121.337725 °	-121.337725 °
DWR ID	DWR_RD0544_02_s_2012_14				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Control bamboo on waterside slope.					

No Photos

LM Start	1.40	Rating **	M	Issue No.	27
LM End	1.40	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.821380 °	37.821380 °
				-121.337835 °	-121.337835 °
DWR ID	DWR_RD0544_02_f_2014_27				
Action/Comments					
Inspector Comments: FS_ID:24905					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - the pipe 3 ft to 4 ft below the crown, steel pipe riser on landside but not sure whether it is connected to the pipe. slope erosion on landside.					
FIELD_STRUCT_DESC: 8-inch pipe through the levee, 3.5 ft below the crown; open on both ends. Soil erosion on landside. Steel pipe riser on landside.					
FS Date: 10/31/2013					

No Photos

LM Start	1.40	Rating **	A/W	Issue No.	21
LM End	1.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.821463 °	37.821463 °
				-121.337900 °	-121.337900 °
DWR ID	DWR_RD0544_02_s_2012_21				
Action/Comments					
Pipe					
Inspector Comments: Pipe should be removed or properly abandoned.					

Photo 1 of 3 : FA\_2014\_RD0544\_109\_21\_20141020\_00027.jpg



Looking east at pipe on landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.40	Rating **	A/W	Issue No.	21 (cont)
LM End	1.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.821463 °	37.821463 °
				-121.337900 °	-121.337900 °
DWR ID	DWR_RD0544_02_s_2012_21				
Action/Comments					
Pipe					
Inspector Comments: Pipe should be removed or properly abandoned.					



Looking west at east end of pipe on waterside slope.

LM Start	<b>1.40</b>	Rating **	A/W	Issue No.	<b>21 (cont)</b>
LM End	<b>1.40</b>	Issue Type +	En	Location *	LS



Looking east at pipe and erosion just above pipe on landside slope and shoulder.

LM Start	1.41	Rating **	U	Issue No.	10
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.821423 °	37.821423 °
				-121.337878 °	-121.337878 °
DWR ID	DWR_RD0544_02_s_2012_10				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					



Looking southwest at elderberries on landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

Photo 2 of 2 : FA\_2014\_RD0544\_109\_10\_20141020\_00016.jpg

A photograph showing a dirt road or path bordered by a wire fence and dense, overgrown vegetation (bushes and trees) under a clear blue sky. The fence is made of wire mesh and a single strand of barbed wire, supported by a metal post. The vegetation is thick and green, with some bare branches visible. The road is unpaved and leads into the distance.

Looking south at elderberries on landside slope and toe.

Photo 1 of 2 : FA\_2014\_RD0544\_109\_22\_20141020\_00030.jpg

A photograph showing a dirt road or path. On the right side, the front portion of a white vehicle is visible. The road surface is uneven and dusty. To the left of the road, there is a pile of debris, possibly a fallen log or branch, and some sparse vegetation. In the background, there are trees and a clear sky.

Looking northwest at slope damage caused by vehicle traffic.

Photo 2 of 2 : FA\_2014\_RD0544\_109\_22\_20141023\_00051.jpg

A photograph of a dirt road with gravel shoulders, surrounded by dry grass and leading towards a green field and trees in the background. The road is unpaved and appears to be in a rural or undeveloped area. The gravel shoulders are on either side of the dirt path. The background shows a mix of dry vegetation and a patch of green grass, possibly a field or pasture. There are some trees or large shrubs in the distance on the right side. The overall scene is bright and sunny, with shadows cast on the road.

Looking northwest at slope damage caused by vehicle traffic (Fall 2014).

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable        C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.47	Rating **	M	Issue No.	28
LM End	1.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.821954 °	37.821954 °
				-121.338715 °	-121.338715 °
DWR ID	DWR_RD0544_02_s_2012_28				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	1.48	Rating **	M	Issue No.	23
LM End	1.48	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.822082 °	37.822082 °
				-121.338932 °	-121.338932 °
DWR ID	DWR_RD0544_02_s_2012_23				
Action/Comments					
Tree or limb					
Inspector Comments: Dead tree and limbs should be removed from landside shoulder and slope.					

Photo 1 of 1 : FA\_2014\_RD0544\_109\_23\_20141020\_00031.jpg



Looking north at dead tree and tree limbs on landside shoulder and slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.53	Rating **	M	Issue No.	29
LM End	1.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.822415 °	37.822415 °
				-121.339699 °	-121.339699 °
DWR ID	DWR_RD0544_02_f_2014_29				
Action/Comments					
Inspector Comments: FS_ID:24288					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - two pumps with 16" steel pipe and an abandoned pump with 10" pipe inside pump house.CMP riser cover needs repair- electric conduits on waterside and power pole on landside.					
FIELD_STRUCT_DESC: 24-inch steel pipe through the levee, 14.0 feet below the crown. Pump in pump house on the waterward berm. Slide gate in CM pipe riser on the waterward slope. Two CM cutoff walls. Distribution box and power pole on landward toe. O&M Manual SJR 007, April 1964.					
FS Date: 10/31/2013					

No Photos

LM Start	1.54	Rating **	M	Issue No.	31
LM End	1.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.822445 °	37.822445 °
				-121.339910 °	-121.339910 °
DWR ID	DWR_RD0544_02_f_2014_31				
Action/Comments					
Inspector Comments: FS_ID:24907					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No pipe and appurtenances found on waterside looks abandoned.					
FIELD_STRUCT_DESC: An abandoned 8-inch steel pipe through levee. Pump house on landside toe. Air vent in CMP riser on landside shoulder. Outlet on waterside not visible. No positive closure. Appears abandoned.					
FS Date: 10/31/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	1.55	Rating **	M	Issue No.	26
LM End	2.11	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.820863 °	37.819393 °
				-121.341285 °	-121.344428 °
DWR ID	DWR_RD0544_02_s_2012_26				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.04	Rating **	M	Issue No.	44
LM End	2.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.818733 °	37.818733 °
				-121.343340 °	-121.343340 °
DWR ID	DWR_RD0544_02_s_2012_44				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	2.05	Rating **	M	Issue No.	39
LM End	2.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.818842 °	37.820193 °
				-121.343520 °	-121.345525 °
DWR ID	DWR_RD0544_02_s_2012_39				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.11	Rating **	M	Issue No.	13
LM End	2.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.819337 °	37.819460 °
				-121.344275 °	-121.344492 °
DWR ID	DWR_RD0544_02_s_2012_13				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA\_2014\_RD0544\_109\_13\_20141020\_00018.jpg



Looking northwest at elderberries on landside slope and toe.

LM Start	2.24	Rating **	M	Issue No.	50
LM End	2.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.820646 °	37.820646 °
				-121.346014 °	-121.346014 °
DWR ID	DWR_RD0544_02_f_2014_50				
Action/Comments					
Garbage					
Inspector Comments: Discarded intake pipe on waterward slope.					

Photo 1 of 1 : FA\_2014\_RD0544\_109\_50\_20141023\_00052.jpg



Looking northwest at pipe on waterward slope.

LM Start	2.25	Rating **	M	Issue No.	32
LM End	2.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.820697 °	37.820697 °
				-121.346050 °	-121.346050 °
DWR ID	DWR_RD0544_02_s_2012_32				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.28	Rating **	M	Issue No.	33
LM End	2.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.821096 °	37.821945 °
				-121.346418 °	-121.347897 °
DWR ID	DWR_RD0544_02_s_2012_33				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	2.29	Rating **	A/W	Issue No.	40
LM End	2.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.821240 °	37.821240 °
				-121.346553 °	-121.346553 °
DWR ID	DWR_RD0544_02_s_2012_40				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.33	Rating **	M	Issue No.	34
LM End	2.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.821628 °	37.821628 °
				-121.347016 °	-121.347016 °
DWR ID	DWR_RD0544_02_f_2014_34				
Action/Comments					
Inspector Comments: FS_ID:24293					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pump not found on the landward side.					
FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 3.0 feet below the crown. No flap gate on the waterward end. Air vent on landside. O&M Manual SJR 007, April 1964.					
FS Date: 10/31/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.34	Rating **	M	Issue No.	51
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.821757 °	37.821757 °
				-121.347181 °	-121.347181 °
DWR ID	DWR_RD0544_02_s_2014_51				
Action/Comments					
Pipe Inspector Comments: Landowner repaired pump and replaced pipe and left pump shaft and pipe on waterward slope.					

Photo 1 of 1 : FA\_2014\_RD0544\_109\_51\_20141020\_00038.jpg



Looking north at old pump shaft and pipe on waterward slope.

LM Start	2.34	Rating **	M	Issue No.	12
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.821763 °	37.821763 °
				-121.347275 °	-121.347275 °
DWR ID					
Action/Comments					
Inspector Comments: 07/02/2014: No significant change observed. 08/20/2013: No significant change observed. 08/07/2012: The site was first reported in 2012 spring levee inspection report. The data were estimated as the site is underneath a irrigation pump station and inaccessible by boat or land survey. It's possible the pump station played a role in the erosion. [2014 Site ID:RD0544U02RM33.21]					

Photo 1 of 1 : SJR2014\_RD0544U02RM33.21\_1.jpg



Front view of the erosion site. View is partially blocked by the pump structure and vegetation.

LM Start	2.35	Rating **	U	Issue No.	24
LM End	2.35	Issue Type +	Ma	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.821763 °	37.821763 °
				-121.347275 °	-121.347275 °
DWR ID	DWR_RD0544_02_s_2012_24				
Action/Comments					
Inspector Comments: Large erosion and beaver activity at waterside toe of levee.					

Photo 1 of 3 : FA\_2014\_RD0544\_109\_24\_20141020\_00032.jpg



Looking south at beaver hole at waterside toe.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.35	Rating **	U	Issue No.	24 (cont)	
LM End	2.35	Issue Type +	Ma	Location *	WS	
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.821763 °		37.821763 °
				-121.347275 °		-121.347275 °
DWR ID	DWR_RD0544_02_s _ 2012_24					
Action/Comments						
Inspector Comments: Large erosion and beaver activity at waterside toe of levee.						

Photo 2 of 3 : FA\_2014\_RD0544\_109\_24\_20141020\_00033.jpg



Looking south at river erosion at waterside toe near pumping station.

Photo 3 of 3 : FA\_2014\_RD0544\_109\_24\_20141020\_00034.jpg



Looking north at erosion on waterside slope.

LM Start	2.36	Rating **	M	Issue No.	41
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.821840 °	37.819198 °
				-121.347428 °	-121.359940 °
DWR ID	DWR_RD0544_02_s _ 2012_41				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

No Photos

Photo 1 of 1 : FA\_2014\_RD0544\_109\_17\_20141020\_00020.jpg



Looking east at dilapidated pump platform.

Photo 1 of 1 : FA\_2014\_RD0544\_109\_15\_20141020\_00019.jpg



Abandoned pipe at LM 2.65, landside view.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable        C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.65	Rating **	M	Issue No.	9
LM End	2.67	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.817760 °	37.817760 °
				-121.350850 °	-121.350850 °
DWR ID					
Action/Comments					
Inspector Comments: 07/02/2014: No significant change observed. 10/11/2013: No significant change observed. 08/07/2012: Series of pocket erosion were discovered at the levee toe during the boat survey. The area is covered with vegetation and riprap, but the rip rap has been washed away. [2014 Site ID:RD0544U02RM32.91]					

Photo 1 of 1 : SJR2014\_RD0544U02RM32.91\_1.jpg



Front view of pocket erosion. Note the vegetation and riprap at the site.

LM Start	2.65	Rating **	M	Issue No.	35
LM End	2.65	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.818888 °	37.818888 °
				-121.350390 °	-121.350390 °
DWR ID	DWR_RD0544_02_f_2014_35				
Action/Comments					
Inspector Comments: FS_ID:24295					
EP_NO: 8625A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - abandoned crossing. Needs proper abandonment.pump removed. Pipe discontinued on landside.pile structure in dilapalated condion.					
FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, 7.0 feet below the crown. Pump mounted on pile structure in the stream. Siphon breaker on landward shoulder. Power pole on the landward slope. (App. No. 8625A - Irvin Muller) O&M Manual SJR 007, April 1964.					
FS Date: 10/31/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.65	Rating **	M	Issue No.	37
LM End	2.65	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.818860 °	37.818860 °
				-121.350428 °	-121.350428 °
DWR ID	DWR_RD0544_02_f_2014_37				
Action/Comments					
Inspector Comments: FS_ID:24297					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - needs proper abandonment or closer of pipe end.					
FIELD_STRUCT_DESC: A 14-inch steel pipe and a conduit through					
levee, 2 feet below the crown. Open on both ends. No other					
appurtenances found.					
FS Date: 10/31/2013					

No Photos

LM Start	2.73	Rating **	M	Issue No.	52
LM End	3.26	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.817928 °	37.818824 °
				-121.351355 °	-121.359523 °
DWR ID	DWR_RD0544_02_f_2014_52				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA\_2014\_RD0544\_109\_52\_20141023\_00053.jpg



Looking south at vegetation on levee crown.

LM Start	2.76	Rating **	U	Issue No.	43
LM End	3.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.817747 °	37.817497 °
				-121.351578 °	-121.357490 °
DWR ID	DWR_RD0544_02_s_2012_43				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA\_2014\_RD0544\_109\_43\_20141020\_00037.jpg



Looking south a dense vegetation on landward and waterward slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	2.84	Rating **	M	Issue No.	53
LM End	2.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.817187 °	37.817187 °
				-121.352964 °	-121.352964 °
DWR ID	DWR_RD0544_02_f_2014_53				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	3.26	Rating **	M	Issue No.	45
LM End	3.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.818824 °	37.818824 °
				-121.359526 °	-121.359526 °
DWR ID	DWR_RD0544_02_f_2014_45				
Action/Comments					
Inspector Comments: FS_ID:24908 EP_NO: 16972 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump not found on the waterward side. Damaged pipe-plug on waterside. Pipe exposed on both sides of the levee. FIELD_STRUCT_DESC: 1 of 2: Two 8-inch pvc pipes (replaced two 8-inch steel pipes) through the levee, 2.0 feet below the crown. Siphon breaker on waterside. Pump on steel platform in drainage ditch. (App. No. 16972 - Joseph & Gayle Muller) FS Date: 10/31/2013					

No Photos

LM Start	3.34	Rating **	M	Issue No.	54
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.819635 °	37.819635 °
				-121.360619 °	-121.360619 °
DWR ID	DWR_RD0544_02_f_2014_54				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	3.43	Rating **	M	Issue No.	30
LM End	3.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.819813 °	37.819717 °
				-121.362120 °	-121.362733 °
DWR ID	DWR_RD0544_02_s_2013_30				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	3.53	Rating **	M	Issue No.	36
LM End	3.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.819576 °	37.819530 °
				-121.364056 °	-121.364653 °
DWR ID	DWR_RD0544_02_s_2012_36				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Cactus on landside slope.					

Photo 1 of 2 : FA\_2014\_RD0544\_109\_36\_20141020\_00035.jpg



Looking north at cactus on landside slope and toe.

LM Start	<b>3.53</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>3.56</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA\_2014\_RD0544\_109\_36\_20141020\_00036.jpg



Looking southwest at overgrown cactus on landside slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	3.54	Rating **	M	Issue No.	55
LM End	3.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.819563 °	37.819563 °
				-121.364307 °	-121.364307 °
DWR ID	DWR_RD0544_02_f_2014_55				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	3.57	Rating **	M	Issue No.	19
LM End	3.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees				°
					°
DWR ID	DWR_RD0544_02_f_2013_19				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	3.61	Rating **	M	Issue No.	47
LM End	4.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.819443 °	37.822442 °
				-121.365305 °	-121.374608 °
DWR ID	DWR_RD0544_02_s_2012_47				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Reclamation District No. 0544 Upper Roberts Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	10/21/2014 10/21/2014	Richard Willoughby

LM Start	3.64	Rating **	M	Issue No.	48
LM End	4.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.819408 °	37.822442 °
				-121.366005 °	-121.374607 °
DWR ID	DWR_RD0544_02_s_2012_48				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	4.03	Rating **	U	Issue No.	46
LM End	4.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.821700 °	37.821700 °
				-121.371752 °	-121.371752 °
DWR ID	DWR_RD0544_02_f_2014_46				
Action/Comments					
Inspector Comments: FS_ID:24304					
EP_NO: 16357					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: - pipe 3 ft below the crown. Pit and holes on the pipe and the levee. no vent pipe found on waterside. No concrete vent pipe found at the landside toe. was working during the field inspection.					
FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 3.0 feet below the crown. Open on waterside end. O&M Manual SJR 7, April 1964.					
FS Date: 11/19/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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